UCRL-JC-124392 Abs

Abstract Submitted
for the DPP96 Meeting of
The American Physical Society

Sorting Category: 5.1.1.5 (Theory)

ITER Steady State Operating Scenarios [1] W.M. NEVINS, R.H. BULMER, L.D. PEARLSTEIN, *Lawrence Livermore National Laboratory*, Y. GRIBOV, F.W. PERKINS, S. PUTVINSKI, *ITER JCT*, G.H. NEILSON, *Oak Ridge NationalLaboratory*, J. MANICKAM, M. REDI, R. WHITE, *Princeton Plasma Physics Laboratory*
— ITER steady-state operating scenarios are reviewed for plasma configurations that can be achieved with either a monolithic central solenoid (as in the ITER Interim Design), or with one of two segmented central solenoid options. Vertical control, ripple losses of fast alpha particles, and the advantages of high triangularity are examined. It is found that either of the segmented central solenoid options offer substantially more operating space for developing ITER steady-state scenarios.

[1]Work supported by the U.S. DOE Contract Nos. W-7405-ENG-48 at LLNL, DE-AC05-96oR222464 at ORNL and DE-AC02-76-CH03075 at PPPL

☐ Prefer Oral Session
☒ Prefer Poster Session

L. Donald Pearlstein
ldp@tetons.llnl.gov
Lawrence Livermore National Laboratory

Date submitted: July 9, 1996

Electronic form version 1.1